

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001422**Date Inspected:** 30-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** South Tower Lift #2, Miscellaneous Metal, S**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Address project documentation and draft bi-weekly summary of coatings related work performed as directed by SMR.

South Tower Lift #2

Inspection from 65M-80.75M internal and end shaft revealed minor repairs and touch ups still required and in process by ZPMC personnel. Additional repairs expected after trial assembly.

Miscellaneous Metal

Base metal surfaces of 420+- splice plates and fill plates were de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

South Tower Base Plate

Base metal surfaces were de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

South Tower Lift#2

Adhesion testing was performed on exterior surfaces of skins, A, B, C, D, E, and all tests exceeded the minimum value of 4Mpa as specified by the contract documents.

Note: All inspections were performed jointly with ZPMC & ABF QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative was also available for inspections and consultation.

SOURCE INSPECTION REPORT

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Summary of Conversations:

SMR Jim Simonis requested bi-weekly summary of coatings related work, due immediately upon arrival at work. Caltrans QA Lumley provided documentation and photo's as requested.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
